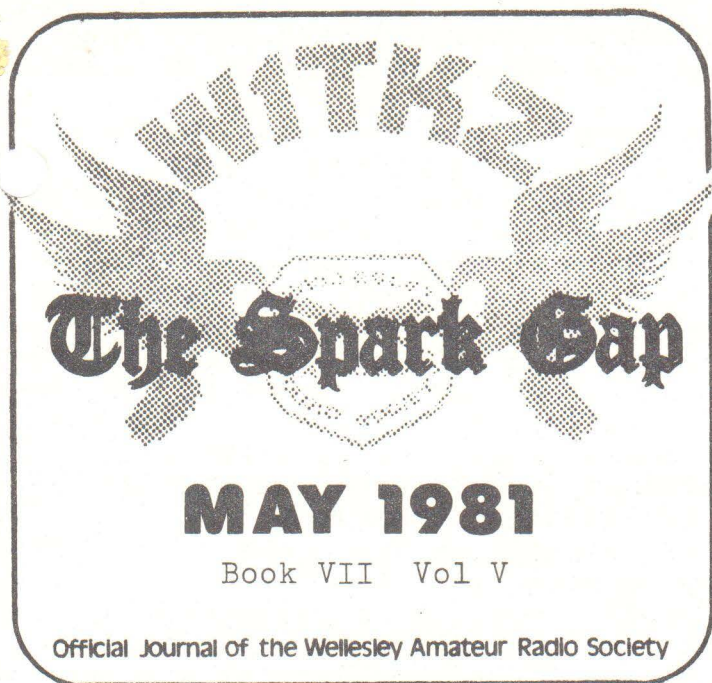




Boston Marathon

The 85th running of the B.A.A. Boston Marathon was started at exactly noon, April 20, 1981, when David Curry, K1TK, counted down the time from the communications control station on the 10th floor of the Prudential 26 miles, 365 yards from the starting line in Hopkinton. When his count reached zero, some 6800 runners began the long trip to downtown Boston through Hopkinton, Ashland, Framingham, Natick, Wellesley, Newton, and Boston, and began the fourth year of coverage of the race by the Wellesley Amateur Radio Society.

To be fully accurate, this effort began months earlier with Dick Paret, WA1ZLQ, as our representative at the many B.A.A. planning meetings where the details of our activity was worked out. Dick was fully responsible for the 1981 communications plan and deserves a great deal of credit for a plan that worked almost flawlessly.

This year we were given even greater importance in the eyes of the officials as they attempted to avoid at all costs last year's problem with the women's winner. As a result, each checkpoint operator was required to transmit a list of the top 100 runners and top 25 women runners back to the control station to be passed along to the officials and others around the finish line. Because there were ten unevenly spaced checkpoints along the

course, this required the use of four nets to keep the system from getting backed up and to provide timely information as the runners passed each checkpoint. The primary information nets used W1TKZ/R, 147.63/03, and W1HSS/R, 147.75/15, for immediate information and WA1VDW/R, 146.04/64, for the longer lists of runners. The cooperation of the owners and users of these repeaters is greatly appreciated. The fourth net was on 146.52 direct for the final downtown checkpoint and for local coverage around the finish line.

This year we were also given the responsibility of actually taking the times of the lead runner at the checkpoints. This break from tradition may be a first in major road races and is certainly an indication of the confidence of the B.A.A. in our ability to get the job done. A stopwatch identical to that used by the official timers was used at the control center. At each checkpoint, the operator was required to give a warning of the lead runner's approach and finally call out "Mark" as the runner passed by. All indications show the officials were satisfied with our performance which saved them the trouble of actually stopping at each checkpoint, which had become increasingly difficult with the growth of the crowds along the course.

It's not possible to name the approximately 50 Amateurs involved in the race, but all are to be commended for a job well done. The success of this operation is a credit to the name of Amateur Radio and will hopefully continue to be just as successful in future years. □

The speaker at our May 21 meeting will be Dave Underhill, an engineer from WCVB, channel 5. He will speak on various aspects of television broadcasting including the use of remote pickups and signal acquisition. This should be a most interesting talk and a good chance to see how the pros do it. See you May 21 at 7:30 pm. □

MEETINGS THIS MONTH: _____

May 7, 1981 at 7:30 pm

May 21, 1981 at 7:30 pm

Intermediate Bldg., Wellesley Hills, Mass.

Executive Minutes

Meeting of March 26, 1981:

The meeting was opened at 7:44 pm by President David Curry, K1TK.

A suggestion had been made to charge admission to the auction, but it was decided not to do this for this year's auction. Some raffle prizes are now on hand, and committee assignments were reviewed.

On the Marathon, more people are still needed, but organization is going along fine.

The status of the repeater was discussed. The amplifier has been tested and is almost operational. Testing of auxiliary inputs was discussed, as these would be helpful downtown during the Marathon.

Erik Thoresen, K1OGF, has offered to buy the KWM-2 for \$450 as is. It was recommended that the club accept his offer.

The following public service events were discussed: Wellesley centennial cake parade, April 5; American Legion walk-a-thon, April 5; Wellesley Teachers Association bike-a-thon, May 3; Charles River Run, May 3; Mt. Equinox hill climb, June 6-7.

The meeting was closed at 9:39 pm. □

Minutes

Meeting of April 2, 1981:

The meeting was opened at 7:40 pm by President David Curry, K1TK.

The secretary's report was read.

The auction was discussed. Everyone was reminded to clean out their closets and bring something to sell.

Erik Thoresen, K1OGF, has offered the club \$450 for the KWM-2, as is, and the Executive Committee has recommended the club accept his offer. Upon voting, his offer was accepted.

In light of the sale of the KWM-2, the future of the club station was discussed. Past history indicates that there is little interest in having a regular station operation, but it was decided that some antennas should be available in the event of an emergency and for use in classes. Several people volunteered to restore the antennas so this will be done.

The treasurer's report was given.

Concerning Field Day, reservations

for the Martha's Vineyard ferry have been made and other planning is underway.

A reminder was made that the June VHF QSO Party is also coming up.

Volunteers were requested for the April 5 Wellesley Centennial cake parade and American Legion walk-a-thon.

Bill Hanlon, N1ADY, brought up bringing back the "Ham of the Year" program which had been started several years ago but never completed. It was voted to form a committee to look into it, and as Kevin Kelly, WA1YHV, had previously volunteered, he was assigned to head the committee.

Roger Smith, W1EOA, gave a brief report on some April 1st "DX".

David Curry, K1TK, reminded everyone that final details on the Marathon operation will be gone over at the April 16 meeting and everyone's attendance is requested.

The meeting was adjourned at 8:15 to the evenings speakers, Nels Anderson K1UR, and David Curry, K1TK, on the design of the W1TKZ/R control system. □

OFFICIAL BULLETIN

Number 32, dated March 23, 1981:

The United States and The Gambia, prefix C5, have agreed to permit the exchange of third party messages, but not phone patches, by their Amateurs effective April 15, 1981. The messages must be of a technical or personal nature not important enough to justify transmission by the public telecommunications network. An exception permits the handling of messages related to the safety of life or property when an emergency has disrupted the public system. Please add The Gambia to the list of third party traffic agreements on page 92 of April 1981 QST.

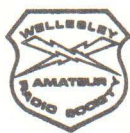
- - - - -
Number 35, dated March 26, 1981:

Amateurs are reminded that increased postage rates for first class mail are now in effect. The new rates are 18¢ for the first ounce and 17¢ for each additional ounce. Please be sure that you have envelopes with proper postage on file with your QSL Bureau. Addresses of U.S. and Canadian QSL Bureaus can be found on page 65 of March 1981 QST.

- - - - -
June Spark Gap deadline: May 15!

The Spark Gap

Official Journal of the Wellesley Amateur Radio Society



EDITOR-IN-CHIEF:

NELS J. ANDERSON, K1UR
32 WESTGATE ROAD, APT. 6
CHESTNUT HILL, MASS. 02167
323-5029

THE "SPARK GAP" IS A MONTHLY PUBLICATION OF THE WELLESLEY AMATEUR RADIO SOCIETY. ITS PRIMARY PURPOSE IS TO KEEP ITS MEMBERS ABREAST OF CURRENT HAPPENINGS, F.C.C. RULES & REGULATIONS CHANGES, AND TO LIST EQUIPMENT OFFERED FOR SALE OR TRADE BY MEMBERS. MEMBERS ARE ENCOURAGED TO CONTRIBUTE TO THE "SPARK GAP" AND MAY SENT THEIR ARTICLES (TYPEWRITTEN IF POSSIBLE) TO THE EDITOR-IN-CHIEF OR TO THE CLUB ADDRESS.

THE WELLESLEY AMATEUR RADIO SOCIETY IS A NON-PROFIT ORGANIZATION DEDICATED TO THE PROMOTION OF AMATEUR RADIO THROUGH INSTRUCTION, FELLOWSHIP, DEMONSTRATION, AND ENCOURAGEMENT OF PARTICIPATION. ANNUAL MEMBERSHIP IN THE SOCIETY IS \$8. THE CLUB YEAR RUNS SEPTEMBER 1 TO AUGUST 31. AMATEUR NOVICE AND GENERAL CLASSES ARE CONDUCTED REGULARLY AT NO COST. TO ENROLL IN A CLASS, OR GAIN INFORMATION ABOUT THE SOCIETY IN GENERAL, WRITE:

THE WELLESLEY AMATEUR RADIO SOCIETY
324 WASHINGTON STREET
WELLESLEY HILLS, MASS. 02181



Number 37, dated March 30, 1981:

The FCC has adopted an Order which will establish a Quiet Zone for Amateur Radio Repeater stations in certain areas of Virginia and West Virginia purportedly to minimize possible harmful interference at the National Radio Astronomy Observatory at Green Bank, West Virginia, and the Naval Research Laboratory at Sugar Grove, West Virginia. The effective date of the ruling in Docket 78-352 will be published in the Federal Register. In other action, the FCC denied a petition for reconsideration in its action abolishing the licensing of new club, military recreation, and RACES stations. Presently-existing club, military recreation and RACES station licenses may be renewed or modified. However, the petition attempting to reverse the Commission's decision regarding new licenses failed, and Docket 21135 has been closed. Details will appear in QST. □

Number 41, dated April 9, 1981:

Senator Barry Goldwater, K7UGA, has introduced a bill, S-929, which would amend the Communications Act with respect to Amateur Radio and matters affecting private land mobile and fixed stations. The bill was co-sponsored by Senators Packwood and Canno, chairman and ranking minority member respectively of the Commerce Committee and by Communications Subcommittee members Schmidt, Pressler, Stevens, Hollings and Inouye. The Amateur portions of the bill were suggested by ARRL. Similarly, we understand that the other items in the bill in general reflect the desires of land mobile and fixed station users in the private sector. Additional information will be available from ARRL Headquarters. A self addressed envelope would be appreciated.

(Editor's note: this bill is more strongly in support of Amateur Radio than the bulletin indicates. It would provide point of sale control of transmitting equipment, extend Amateur licenses to ten years, and give the FCC authority to set standards for RFI rejection in receiving equipment.)

Number 42, dated April 10, 1981:

ARRL's petition proposing 10 MHz band privileges has been assigned file number RM 3885 by the FCC. ARRL's petition proposing expansion of the 20 meter phone band has been assigned file number RM 3860 by the FCC. Details of these petitions are in April QST under Happenings. Interested parties may file comments to support or oppose the petitions up to April 27, but in reality the FCC may accept comments up to the time it rules on the petitions.

REMINDER

Members are reminded of the upcoming ARRL dues increase from \$18 to \$25 per year. If you are planning to renew now to beat the increase, you can help out WARS as well by renewing through the club. WARS gets to keep part of your dues payment if you send it to our treasurer, Jim Hatherley, WA1TBY, 46 Hobson Street, Brighton, Mass. 02135 for forwarding to the ARRL. □

OLDE TIME RADIO

by Jim Idelson, K1IR

Part Ten

The Third and Fourth National Radio Conferences were held in 1924 and 1925 respectively. The industrial leaders present at each of these conferences pressured Secretary of Commerce Herbert Hoover to cease issuance of new licenses. After the 1925 conference Hoover did just that. As applications came in they were answered with "all wavelengths in use". Though the number of stations did not grow, there was change. Stations could be bought and sold with a new owner receiving the old license. The idea was that a license was issued to equipment in use at a location, not to the owner.

At the 1924 conference Hoover began to separate the mass of stations still operating at 360 meters. He put stations with 500 watts into the medium power regional segment of the band. The others were given small parts of the day for operation on time-shared channels.

The intra-alliance negotiations were being held in an orderly fashion. The top officials of each giant corporation were meeting with one another in a New York City office in the presence of Roland W. Boyden. Boyden was chosen jointly as an arbitrator. He would decide on the interpretation of the many agreements of 1920 and 1921. His decision was to be accepted by all the disputants without argument. After hearing all the testimony Boyden delivered his decisions. The results were astounding. The Radio Group, consisting of RCA, Westinghouse, General Electric and their subsidiary companies had won almost complete favor in the eyes of Boyden.

Finding themselves in serious trouble, AT&T had to find an immediate course of action to follow. They did. A memorandum from John W. Davis, a prominent political figure who had been a Democratic party candidate for the presidency in 1924, was delivered to the members of the radio group. The

memorandum stated that if Boyden's interpretation of the cross-licensing agreements was correct, then they were in violation of the anti-trust laws from the start. AT&T had wisely sold all its RCA stock and removed its representative from the RCA board. Thus they were divorced from the possibility of being considered a part of the monopoly conspiracy.

As the talks went on, David Sarnoff's idea of forming a central broadcasting organization became the prime target. In January, 1926, the idea was approved. The company to be formed would be owned by RCA, General Electric and Westinghouse. Telephone lines for network operations would be leased from the telephone company. WEAf and all of AT&T's network operations would be purchased by the new corporation at a price of one million dollars. The radio group would be able to commercialize their broadcast activities in the "toll" manner through the use of any other method they chose. The new corporation would be called the National Broadcasting Company--NBC.

(The formation of NBC resulted in a stabilization of the radio broadcasting industry. This stabilization and the coming of the era of big business in radio will be examined next month.) □

hr REPORT

Mark Fowler was nominated by President Reagan to the Commission seat vacated in January by Tyrone Brown. Confirmation hearings will be held shortly, after which he's expected to be named FCC chairman by the President.

Deregulation of Telecommunications will continue to be the Commission's policy under the new administration, Fowler, a communications lawyer, told the Associated Press in an interview last week. In that interview he strongly endorsed the administration theme of "getting government off the American people's backs."

hr Report, March 27, 1981 □

CHUCKLE KORN-LR

"USEFUL STUFF!"

10 ⁻⁶ phones	= 1 microphone
10 ⁻² pedes	= 1 centipede
10 ⁶ phones	= 1 megaphone
10 ⁻¹² boos	= 1 pickaboo
10 ⁻¹⁸ boys	= 1 attoboy
10 ⁻² mental	= 1 sentimental
10 cards	= 1 dekacards
10 ¹² bulls	= 1 terrabull
2 gorics	= 1 paragoric
10 ⁻¹ mates	= 1 decimate
10 ² dents	= 1 decadent
10 ⁻⁹ nanettes	= 1 nononanette
10 ⁻³ taries	= 1 military
10 ³ monjaros	= 1 kilomonjaro
	= 1 snow job
10 ¹² fermis	= 1 terrafermi
10 ⁻⁶ fish	= 1 microfiche
10 ⁻³ cans	= 1 millikan
2x10 ² withits	= 1 keckowithits
10 ⁹ los	= 1 gigolo

---from "Forward Bias" of the
Chelmsford ARA, W1KH editor

hr REPORT

A 40-meter broadcaster operating from southern Florida, shut down twice by the FCC, went free Tuesday after U.S. Attorney Atlee W. Wampler III requested the charges be dropped. Jose Gonzales had freely admitted his regular anti-Castro broadcasts on 40 with a kilowatt, but despite that illegal operation and considerable FCC enforcement effort, he avoided trial. As a result it now seems likely that other Florida illegal broadcasters, some also using the Amateur bands, will be able to continue operating.

hr Report, April 17, 1981

Triennial Region 1 IARU Conference opens in London April 27, with VE3CJ,

W2HD, and W1RU representing IARU headquarters and the ARRL. 9V1RH and a JARL representative will attend for Region 3, and YV5BPC for Region 2. They'll be reviewing WARC decisions and implementation of the new bands, proposed U.S. phone band expansion, and VHF/UHF band planning.

hr Report, April 17, 1981

As many of you should know, the FCC has proposed a "plain language" version of the Amateur Service rules to replace the current Part 97. Comments on this proposal are due to the FCC by June 19, 1981. As some of the portions of this rewrite are rather controversial and do seem to change the meaning of the current rules despite the FCC's claims to the contrary, as many people as possible should make their views known. A copy of the proposal will be made available at the meetings. □

OFFICERS

PRESIDENT:

David Curry, K1TK, 237-2450

VICE PRESIDENT:

Erik Thoresen, K1OGF, 653-1216

CORRESPONDING SECRETARY:

Bill Hanlon, N1ADY, 384-8056

RECORDING SECRETARY:

Nels Anderson, K1UR, 323-5029

TREASURER:

Jim Hatherley, WA1TBY, 254-6042

OPERATING ACTIVITIES:

Glenn Brodie, N1ACN, 443-8677

FUND RAISING:

Kevin Kelly, WA1YHV, 242-0341

EDUCATION CHAIRMAN:

Bill Downing, WA1PQY, 655-3040

EMERGENCY COORDINATOR:

David Curry, K1TK, 756-5325

TECHNICAL COMMITTEE:

Mort Cohan, KA1IU, 359-7979

ELECTION COMMITTEE:

C.J. McDonald, WB1BUM, 332-6091

STATION MANAGER:

Erik Thoresen, K1OGF, 653-1216

REPEATER COMMITTEE:

David Curry, K1TK, 237-2450

Bill Downing, WA1PQY, 655-3040

Dick Paret, WA1ZLQ, 762-5074

Scott Nacey, WA1YOJ, 235-1599

WELLESLEY A.R.S. MEMBERSHIP

3/3/81

Adlerstein, Mike	KLFB	24 Bobolink Rd., Wellesley ma	02181	235	1130
Anderson, Nels	KLUR	32 Westgate Rd., Apt 6, Chestnut Hill, Ma.		323	5029
Andrews, George	WB1FEE	291 Nehoiden St., Needham, Ma.	02192	444	3808
Bradley, Pete	NIADX	200 E. Main St., Westboro, Ma.	01581	366	2511
Brewer, Frank	WB1GCU	P.O. Box 249, Dover, Ma.	02030	785	0015
Brodie, Glenn	NIACN	206 Boston Post Rd., Sudbury, Ma.	01776	443	8677
Brodie, NINA	WB1ECJ	206 Boston Post Rd., Sudbury, Ma.	01776	443	8677
Broeg, Phil	WLHBB	9 Woodside Lane, Burlington, Ma.	01803	272	7612
Brown, Howard J.	KLIFY	30 Greystone Rd., Dover, Ma.	02030	785	1999
Burton, Tom	KALDHM	61 Whittier Rd., Wellesley Ma,	02181	235	6353
Callahan, Frank	NIACO	3 Hobbs Brook Rd., Weston, Ma.	02193	894	3407
Caramanica, Brian	WB1ALT	80 Fiske Ave, Waltham, Ma.	02154	899	8014
Chesley, Don	WALHVS	5 Pine Ridge Rd., Natick, Ma.	01760	655	5211
Choy, Wing	KALBHZ	197 Chiswick Rd., Brighton, Ma.	02135	254	4675
Cohan, Mort	KALIU	16 Oriole Rd., Medfield, Ma.	02052	482	2700
Currie, Robert	KALDHR	18 School Lane, Watertown, Ma.	02172	924	7305
Curry, David	KLTK	Box 1149, W.P.I., Worcester, Ma.	01609	237	2450
Dinman, Saul	KLDPX	27 Alden Rd., Wayland, Ma.	01778	358	2519
Dinman, Mark	WB1FCO	27 Alden Rd., Wayland, Ma.	01778	358	2519
Dodell, David	WB7TPY	200 Harrison Ave., Boston, Ma.	02111	426	8963
Downing, Bill	WALPQY	68 Washington St., Natick, Ma.	01760	655	3040
Dwyer, Vin	NI1BCP	157 Bristol Rd., Wellesley, Ma.	02181	237	0063
Emerson, Bill	WALEVD	115 Westgate, Wellesley, Ma.	02181	235	8086
Fusco, Tony	WB1FTD	69 Mallard Way, Waltham, Ma.	02154	893	3398
Gallagher, Edw.	WB1FCZ	87 Beaufort Ave., Needham, Ma.	02192	449	1718
Getter, Carl	WLMIJ	58 Felch Rd., Natick, Ma.	01760	655	0142
Graf, Al	W10QP	391 Worcester Rd., Wellesley, Ma.	02181	235	1538
Halcrow, Bill	KALAJK	Sutton Ave., Oxford, Ma.	01540	987	0471
Hanlon, Bill	NIADY	49 Vine St., Wrentham, Ma.	02093	384	8056
Hanlon, Sally		49 Vine St., Wrentham, Ma.	02093	384	8056
Hanlon, Laura	KALEAQ	49 Vine St., Wrentham, Ma.	02093	384	8056
Hatherley, Jim	WALTBY	46 Hobson St., Brighton, Ma.	02135	254	6042
Jacobson, Donald	WALZXR	70 Beaver Rd., Weston, Ma.	02193		
Jacobson, Alan	WB1ELD	70 Beaver Rd., Weston, Ma.	02193		
Jansen, Lou	WLFL	Cedar Glen #4201, Elderberry Lane, Reading Ma.		327	3646
Kelly, Kevin	WALYHV	7 Lawnwood Place, Charlestown, Ma.	02129	242	0341
Kent, David	N2AWG	Box 2262 W.P.I., Worcester, Ma.	01609	237	2450
Knight, George		117 Fairfield St., Needham, Ma.	02192	449	0298
Lenk, Walter	KLYTY	22 Priscilla Circle, Wellesley, Ma.	02181	237	9289
Goldman, Dave	WLYSW	26 Priscilla Circle, Wellesley, Ma.	02181	235	6259
Levin, Ted	WB1CFC	5133-C Lakefront Blvd., Delary Beach, Fl.	33445	(305)742	6453
Levine, Carlisle	WB1ECK	1921 Commonwealth Ave, Auburndale, Ma.	02166	244	3818
Livingston, Greg	WA2EHV	27 Morses Pond Rd., Wellesley, Ma.	02181	237	6308
Loring, Ed	KALCJE	18 Thomas Rd., Wellesley, Ma.	02181	235	6695
Magnanti, Dick	AKLI	80 Kingsbury St., Wellesley, Ma.	02181	235	6371
McDADE, Henry	W1LMU	194 Winslow Rd., Waban, Ma.	02168	527	4269
McDonald, C.J.	WB1BUM	48 Hale St., Newton Highlands, Ma.	021 64	332	6091
McDonald, Dennis	WB1EBW	Bridon Marine, Road Town, Tortola B. V. I.			
McGrath, Joe	WALJIR	143 Hayden Row St., Hopkinton, Ma.	01748	435	6893
Miller, Stephen	N1AOG	22 Saddle Club Rd., Lexington, Ma.	02173	862	9096
Nuwayser, Sami	WALTWK	25 Ingraham Rd., Wellesley, Ma.	02181	237	5567
O'Brien, John	NI1AWX	100 West St., Weymouth, Ma.	02188	335	3759
O'Conner, Jim	W1MIC	84 Prince St., Needham, Ma.	02192	449	1936
Paret, Dick	WALZLQ	35 Phillips Ave., Norwood, Ma.	02062	762	5074
Pavone, Ed	AF1P	61 Hawthorne St., Belmont, Ma.	02178	484	5659

WELLESLEY A.R.S. membership....Cont'd.

Riley, Tom	WB1BUN	50 Hale St., Newton Highlands, Ma. 02164	244	3239
Ring, Jordan	KLUN	16 White Pine Rd., Needham, Ma. 02192	444	7464
Ruggiero, Dick	WA1ZLN	11 Avon St., Natick, Ma. 01760	655	1928
Schermerhorn, Skid	W1TTY	11 Chestnut St., Wellesley, Ma. 02181	235	1987
Sline, George	WB1BVB	395 Weston Rd., Wellesley, Ma. 02181	235	5244
Smith, Roger	W1EOA	7 Berkeley Rd., Wellesley, Ma. 02181	235	6239
Smith, Dave	KLBSO	35 Kingswood Rd., Auburndale, Ma. 02166	965	2463
Spaulding, Les	WA1ZTO	14 Madison Ave., Newton, Ma. 02160		
Spotts, Pete	N1ABS	140 Warren St., Needham, Ma. 02192	444	1873
Stevens, Charles	KA1DHV	249 Main St., Cochituate, Ma. 01778	653	8421
Swanson, Art	WB1FCP	14 Wyman Rd., Cambridge, Ma. 02138	492	5231
Temples, Phil	K9HI	50 Catherine St., Roslindale, Ma. 02131	864	3627
Thompson, Art	KA1ENP	44 Windemere St., Wellesley, Ma. 02181	235	5509
Thoreson, Erik	K1OGF	28 Lookout Ave., Natick, Ma. 01760	653	1216
Turell, John	WA1ZLO	18 Cleveland Rd., Wellesley, Ma. 02181	235	6742
Vasil, Bruno	WB1AJA	58 Bradeen St., Roslindale, Ma. 02131	327	0981
Vasil, Bruno Jr.	WB1ACF	58 Bradeen St., Roslindale, Ma. 02131	327	0981
Veznaian, Ken	WB1FCY	185 Fellsway West, Medford, Ma. 02155	395	5959
Weissel, Dick	WA1HRV	39 MacArthur Rd., Natick, Ma. 01760	655	2366
Woodbury, Bob	K1ZL	12 Meadowbrook Rd., Dover, Ma. 02030	785	1423
Woods, Farrell	WB1ELQ	149 Pratts Mill Rd., Sudbury, Ma. 01776	443	6328
Young, George	WA1YAU	525 Worcester Rd., Wellesley, Ma. 02181	237	2082

3593

The Spark Gap



**WELLESLEY
AMATEUR RADIO
SOCIETY**

324 Washington Street
Wellesley Hills, Massachusetts 02181

M E M B E R



Amateur Radio News Service

****ELECTIONS***
May 21, 1981

FIRST CLASS MAIL